

Title (en)

Process for operating an oxygen-consuming metallurgical shaft furnace

Title (de)

Verfahren zum Betreiben eines Sauerstoff-verzehrenden metallurgischen Schachtofens

Title (fr)

Procédé pour l'opération d'un four à cuve métallurgique utilisant l'oxygène comme comburant

Publication

**EP 0762068 B1 20001122 (DE)**

Application

**EP 96112619 A 19960805**

Priority

- DE 19531604 A 19950828
- DE 19622695 A 19960605

Abstract (en)

[origin: EP0762068A1] In a method of operating an oxygen-consuming metallurgical shaft furnace, esp. a cast iron-producing cupola furnace, the oxygen-contg. gas mixt. (blast) is introduced by one or more injector nozzles, pref. in the blast zone region of the shaft, the conveyed medium being oxygen opt. mixed with other gases, pref. a mixt. of oxygen and air with a nitrogen content of 0-80 vol.%. Also claimed is a shaft furnace (esp. a cupola furnace) for cast iron prodn., having one or more injector nozzles for supplying the oxygen-contg. gas mixt. and opt. other gases.

IPC 1-7

**F27B 1/16**; **C21B 11/02**

IPC 8 full level

**C21B 11/02** (2006.01); **F27B 1/16** (2006.01)

CPC (source: EP)

**C21B 11/02** (2013.01); **F27B 1/16** (2013.01)

Citation (examination)

Firmenprospekt: Linde-HIGHJET-Verfahren

Cited by

EP1997915A1; DE102007025663A1; DE102011115450A1; DE102008048779A1; DE102012017066A1; EP2213971A1; DE102009006573A1; US8071013B2

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